## **Index of Claims**



Application/Control No.

10/601,796

Examiner

Lakshmi S. Channavajjala

Applicant(s)/Patent under Reexamination

SAMELSON ET AL.

Art Unit

1615

| <b>√</b> | Rejected |
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| <b>√</b> | Rejected |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | im       |  | .مر  |  | _ [          | ate                                 |                 |                    |          |         | Cla  | im       |  |          |         | Date                               |          |                  | ]        |              | Claim      |  |  |         | Dat     | e  |                 |          |           |
|----------|----------|--|--|--|--------------|-------------------------------------|-----------------|--------------------|----------|---------|--|----------|--|----------|---------|------------------------------------|----------|------------------|----------|--------------|------------|--|--|---------|---------|--|-----------------|----------|-----------|
|          |          | V  |  |  |              |                                     |                 |                    |          |         |  |          | $\Box$   |          |         |                                    |          |                  |          |              | <u>a</u>   |  |  |         |         |  |                 |          | 1         |
| Final    | Original | 6  | //   |  | -            |                                     |                 |                    |          |         | Final  | Original |  |          |         |                                    |          |                  |          | Final        | Original   |  |  |         |         |  | i,              |          |           |
| 급        | Ç        |  |  |  |              |                                     |                 |                    |          |         | ፲፫   | Ğ        |  | 1        | 1       |                                    |          |                  | 1:::::   | Œ            | ĺį         |  |  |         |         |  |                 |          |           |
|          |          | 6  |  |  |              |                                     |                 | $\perp$            |          |         |  |          |  | <u> </u> |         | $\sqcup$                           |          | $\sqcup \bot$    | 4        |              |            | <del> </del> _                                   |  | $\bot$  | ╀       | Ш  | $\dashv$        | $\dashv$ | 4         |
|          | _1       | /  |  |  |              |                                     | _               |                    |          |         |  | 51       |  | 4_       | 4       | $\sqcup$                           |          |                  | 4        |              | 101        | _  | $\vdash$   | _       | ╄-      | _  | $\dashv$        | -        | 4         |
| <u></u>  | 2        | 1  | _  |  |              |                                     | _               |                    |          |         |  | 52       | $\perp$  | _        | 1       | <u> </u>                           |          |                  | 4        |              | 102        | ╄  | $\vdash$   | +       | +       | Н  |                 | +        | $\dashv$  |
|          | 3        |  |  |  |              | _                                   | _               | $\perp$            | 4        |         |  | 53       | $\perp$  | +        | ╁┈      | <del>   -</del>                    |          |                  | -        | _            | 103        | -  |  | ╬       | ┿       |  | $\vdash$        | +        | $\dashv$  |
|          | 4        | <u> </u>   | <u> </u>   |  |              | $\dashv$                            | _               |                    | _        |         |  | 54       | -  | - -      | ╂       | $\vdash$                           | -        | $\vdash$         |          |              | 104        | <u> </u>   | $\vdash$   | +-      | +-      | -  | ⊢-              | +        | ᅱ         |
|          | 5        | <u> </u>   | <u> </u>   |  |              | -                                   | _               | _                  |          |         |  | 55       | -  |          | +       |                                    | -        | $\vdash$         | - :::::  | _            | 105<br>106 | $\vdash$   | ╁┼   | +       | +       | H  | $\vdash$        | $\dashv$ | ᅱ         |
| <u> </u> | 6        | <b></b>  |  | Щ                                      |              |                                     | _               | -                  | -        |         |  | 56       | $\dashv$   | +        | -       | $\vdash$                           |          | -                | -        | <del> </del> | 107        | ┼  |  | +       | +       | ┝  |                 | +        | $\dashv$  |
|          | 7        | <u> </u>   |  | Щ                                      | _            | $\vdash$                            | -               | -                  | +        |         |  | 57       |  | -        | +-      | $\vdash$                           |          | <del></del>      |          |              | 107        | ╁  | ╌┼   | +       | +       | -  | ┝─┼             | +        | $\dashv$  |
| <u> </u> | 8        | -  | <del> </del>                                     | -                                      |              | $\vdash$                            | -+              |                    | +-       |         | <u> </u>   | 58<br>59 | $\vdash$   | -        | +       | ╁╌╂                                |          | $\vdash$         | -        | -            | 109        | +  | ├-   | ╁       | +-      | $\vdash$   | $\vdash \vdash$ | +        |           |
|          | 9        | ├  | <del> </del>                                     | $\vdash$                               | _            |                                     | -               | -                  |          |         |  | 60       | $\vdash$   |          | +       | ╁                                  | +        | <del>   </del> - | - ::::   | -            | 110        | ╁  | $\vdash$   | +       | ╁╴      | -  | $\vdash$        | 十        | $\dashv$  |
|          | 10       | <u>.</u>   | <u> </u>   | $\vdash$                               |              |                                     | -               |                    | ┪        |         | <u> </u>   | 61       | -  | ┰        | ╁╌      | -                                  | +        |                  | -        |              | 111        | +-   | $\vdash$   | +       | +       | <del>                                     </del> | H               | 十        | $\dashv$  |
| -        | 11<br>12 | <u> </u>   | $\vdash$   | $\vdash$                               | $\vdash$     | $\vdash \vdash$                     | $\dashv$        |                    | +        | ł       |  | 62       | $\vdash \vdash$                                  | +        | +       | <del>   </del>                     | -        | $\vdash \vdash$  | ┪        | $\vdash$     | 112        | <del>                                     </del> |  | +       | T       | $\vdash$   | $\vdash$        | 十        | ٦         |
|          | 13       | ├-   | $\vdash$   | $\vdash$                               | -            | $\vdash \vdash$                     | $\dashv$        | +                  |          |         | <b></b>  | 63       | $\vdash \vdash$                                  | +        | +       | + +                                | +        | $\vdash$         | <b>-</b> | _            | 113        | t  | $\Box$   | +       | 1       | T  | $\sqcap$        | $\dashv$ | ヿ         |
|          | 14       | -  | $\vdash$   | -                                      |              | -                                   | -+              | $\dashv$           | +-       | 1       | <del>                                     </del> | 64       | $\vdash$   | $\dashv$ | +       | +                                  | $\dashv$ |                  |          | $\vdash$     | 114        | T  | $\vdash$   | _       | T       | Г  | $\sqcap$        | $\dashv$ | ヿ         |
| -        | 15       | $\vdash$   |  | -                                      | $\vdash$     | H                                   | $\vdash$        | $\dashv$           | +        | <b></b> | <u>├</u>   | 65       | +  | $\dashv$ | +       |                                    | $\top$   |                  | -        |              | 115        |  | $\Box$   |         | 1       | T  |                 | 丁        | $\exists$ |
| _        | 16       | <b>1</b>   | 1  | T                                      | $\vdash$     | $\vdash \vdash$                     |                 | $\dashv$           | $\top$   | 1       | <b></b>  | 66       | $\vdash$   | _        | $\top$  | $T^{\dagger}$                      |          |                  | 1        |              | 116        |  |  |         |         |  |                 |          | ╗         |
| <b></b>  | 17       | t  | /-   |  | $\vdash$     | Н                                   |                 |                    | † -      | 1       |  | 67       |  | _        |         | $\Box$                             |          |                  | 7        |              | 117        |  | П  | Т       |         |  |                 | $\Box$   |           |
|          | 18       | 1  | 1-   |  | -            |                                     | $\neg$          | $\dashv$           | $\top$   | 1       |  | 68       | $\Box$   | $\top$   | $\top$  | T                                  |          |                  | 7        |              | 118        |  | П  | Т       | $\top$  |  |                 |          |           |
| }        | 19       | ۲  | 1  | $\vdash$                               | $\vdash$     |                                     | 1               | _                  |          | 1       |  | 69       |  |          |         |                                    |          |                  | 7        |              | 119        | 1  |  |         |         |  |                 |          |           |
|          | 20       | t  | <del>                                     </del> | <del> </del>                           | $\vdash$     | $\vdash$                            |                 |                    | 1        | 1       |  | 70       |  |          | 1       | $\Box$                             |          |                  |          |              | 120        |  |  |         |         |  |                 | $\Box$   |           |
|          | 21       | ╁  | $\vdash$   | $\vdash$                               | $\vdash$     |                                     |                 | $\neg$             | $\neg$   | 1       |  | 71       |  |          |         |                                    | _        |                  |          |              | 121        | 1  | П  |         |         |  |                 |          |           |
|          | 22       | <del>                                     </del> | ┢  |  | ┢            | Н                                   |                 | _                  |          | 1       |  | 72       |  | $\top$   |         |                                    |          |                  | 7        | Г            | 122        | T  |  | $\top$  |         |  | П               |          |           |
|          | 23       | T  | <b>†</b>   |  | $\vdash$     | П                                   |                 | _                  | $\top$   | 1       |  | 73       |  | 1        |         |                                    |          |                  | 7        |              | 123        | T  |  |         |         |  |                 | $\Box$   |           |
| <b>—</b> | 24       | <u> </u>   | T  |  |              |                                     |                 | _                  | $\neg$   |         |  | 74       | T T  |          |         |                                    |          |                  |          |              | 124        | Т  |  |         |         |  |                 |          |           |
|          | 25       | T  | 1  | T                                      | Г            | П                                   | $\Box$          |                    |          | 1       |  | 75       |  |          | 1       |                                    |          | П                | 7:::     |              | 125        |  |  |         |         |  |                 |          |           |
|          | 26       | $\vdash$   | t  |  |              |                                     | П               |                    |          | 1       |  | 76       |  |          |         |                                    |          |                  |          |              | 126        |  |  |         |         |  |                 | $\Box$   |           |
|          | 27       |  | T  |  |              |                                     | П               |                    |          | 1       |  | 77       |  |          |         |                                    |          |                  |          |              | 127        |  |  |         |         |  |                 |          | ᆜ         |
|          | 28       |  | 1  |  | Π            |                                     |                 |                    |          |         |  | 78       |  |          |         |                                    |          |                  |          |              | 128        |  | Ш.   |         |         |  | Ш               | _        | _         |
|          | 29       |  | 1  |  |              | П                                   | •               |                    |          |         |  | 79       |  |          |         |                                    |          |                  | _!:::    |              | 129        |  |  | _       |         |  | Ш               | _        | _         |
|          | 30       |  | 1  | Г                                      |              |                                     | П               |                    | <b></b>  | ]:::::  |  | 80       |  |          |         |                                    |          |                  | _        | _            | 130        |  | $\perp \downarrow$                               |         | $\perp$ | _  | $\sqcup$        | $\dashv$ | _         |
|          | 31       |  |  |  |              |                                     |                 |                    |          | ]       |  | 81       |  |          |         |                                    |          |                  |          | L            | 131        |  | $\sqcup \downarrow$                              | $\perp$ | 4       | ┺  | Щ               |          | _         |
|          | 32       |  |  |  |              |                                     |                 |                    |          |         |  | 82       |  |          |         | $\perp$                            |          | $\sqcup$         | _        | <u></u>      | 132        |  | $\perp \perp$                                    | $\perp$ | 4       | 1  | $\sqcup$        | _        | _         |
|          | 33       |  |  |  |              |                                     | LJ              | $\perp \downarrow$ |          | 1       |  | 83       | $\sqcup$   |          | $\perp$ | $\sqcup$                           |          | $\sqcup$         | 4        | <u></u>      | 133        |  | <del>                                     </del> | _       | $\bot$  | ╁  | $\sqcup$        | _        | ᆚ         |
|          | 34       | 1  |  | <u> </u>                               | L            | <u> </u>                            | Ш               |                    |          | 4       |  | 84       | 1-1  |          | $\perp$ | $\sqcup$                           |          | ++               | 4        | <u> </u>     | 134        |  | ++   | -       | +       | -  | $\vdash \vdash$ | $\dashv$ | _         |
|          | 35       |  | 1_   | _                                      | <u> </u>     | oxdot                               | $\sqcup$        |                    |          | Į       |  | 85       |  | _        | $\bot$  | $\downarrow \downarrow \downarrow$ |          | ++               | -        | <u>_</u>     | 135        |  | ++   | -       | +       | ļ  | $\vdash$        | $\dashv$ | $\dashv$  |
| <u></u>  | 36       | _  | <u> </u>   | ┞-                                     | <u> </u>     | $\perp$                             | Ш               |                    | $\perp$  | 4       |  | 86       | $\sqcup$   | _        | 1-      | $\longrightarrow$                  |          | $\vdash$         | -        | <u> </u>     | 136        |  | ++   | +       | +       | +  |                 | 4        | 4         |
| <u></u>  | 37       | $\perp$  | <del> </del>                                     | ــــــــــــــــــــــــــــــــــــــ | <u> </u>     | _                                   | Ш               | $\perp$            |          | 4       | <u> </u>   | 87       | $\sqcup \downarrow$                              |          | 4-      | 1                                  | - -      | $\vdash$         | 4        |              | 137        |  | ++   | +       | -       | +  | +               | $\dashv$ | $\dashv$  |
|          | 38       | 1  | 1  | <del> </del> _                         | <u> </u>     |                                     | $\sqcup$        | $\dashv$           |          | 1       | <u> </u>   | 88       | $\vdash$   | - -      | +       | +                                  | +        | ++               | -        | -            | 138        |  | 1 1  | +       | +       | +  | $\vdash \vdash$ | -+       | $\dashv$  |
| <u></u>  | 39       | ↓_   | 1  | $\vdash$                               | ┞            | -                                   | Ш               |                    |          | 4       | <u> </u>   | 89       | ╀  |          |         | +                                  | +        | +                |          | $\vdash$     | 139        |  | ╁╌┼  | +       | +       | ╀  | <del>  </del>   | $\dashv$ | $\dashv$  |
|          | 40       | ╀-   | 1  | ļ                                      | $\vdash$     | $\vdash$                            | $\sqcup$        | _                  |          | 4       | <u> </u>   | 90       |  | +        | 4-      | 4                                  |          | 1-1-             | -        | -            |            |  | +  | +       |         | +  | $\vdash$        | $\dashv$ | $\dashv$  |
|          | 41       | ╀  | 1  | ┞-                                     | <u> </u>     | $\vdash$                            | Н               |                    |          | 4       | <u> </u>   | 91       | 11-  | -        | +       | +                                  |          | ++               | -        | $\vdash$     | 141        |  | ++   | +       | +       | +  | $\vdash$        | $\dashv$ | $\dashv$  |
|          | 42       | ↓_   | -  | 1                                      | <b> </b>     | -                                   | $\sqcup$        | -                  | +        | -       | <u> </u>   | 92       | <b>├</b> ─┼                                      | $\dashv$ | +       | ╂╼┤                                | -        | ++               | -        | <u>:</u>  -  | 142        |  | ++   |         | +       | +-   | ╁┯┤             | $\dashv$ | $\dashv$  |
|          | 43       | $\vdash$   | +  | $\vdash$                               | <del> </del> | -                                   | $\vdash \vdash$ |                    | -        | -       | <u> </u>   | 93       | +  | +        | +       | +                                  | -        | <del>  - -</del> |          | $\vdash$     | 143<br>144 |  | 1 1  | +       | +       | +  | $\vdash$        | $\dashv$ | $\dashv$  |
| <u> </u> | 44       | +  | +-   |  | $\vdash$     | -                                   |                 |                    | +        | -       |  | 94       | ++   | +        | +       | +                                  |          | +                |          | $\vdash$     | 144        | +  | + +  | +       | +       | +  | +               | -        | -         |
| <u> </u> | 45       | +  | ╁  | ┼                                      |              | <del> </del> —                      | $\vdash$        | -                  | -        | -       | <u> </u>   | 95<br>96 | <del>                                     </del> | +        | +       | + -                                | +-       | ++               | -        | $\vdash$     | 146        |  | ++   | +       | +       | +  | $\vdash$        | $\dashv$ | $\dashv$  |
| -        | 46       | +-   | +  |  | ├            | <del> </del>                        |                 | -                  | +        | 4       | <b>-</b>   | 96       | ╁  | +        | +       | <del>   </del>                     |          | ++               |          | -            | 147        | +-   | +-+  | +       | +       | +  | ++              | $\dashv$ | -         |
|          | 47       | +-   | +  | ₩                                      | ├-           | ├-                                  | H               | $\vdash$           | $\dashv$ | -       | -  | 98       | ╁┼   | +        | +       | +                                  |          | ++               | $\dashv$ | -            | 148        | +-   | ++   | +       | +       | +  | $\vdash \vdash$ | $\dashv$ | -         |
|          | 48<br>49 | +  | +-   | ╁                                      | ╁            | -                                   | $\vdash$        | $\dashv$           | +        | -       |  | 99       | ┼─┼  | +        | +       | +                                  | +        | ++               | -        | -            | 149        |  | + +  | -       | +       | +  | +               | $\dashv$ | -         |
|          | 50       | +  | +  | +-                                     | $\vdash$     | +                                   | $\vdash$        | -                  |          | 1       | -  | 100      | 1 1  | +        | +       | + +                                | +        | +                | -        | -            | 150        | -  | ++   | +       | +       | ╁  | +               | 一        | $\dashv$  |
|          | 1 20     | _ـــــــــــــــــــــــــــــــــــــ           | 1  | 1_                                     | <u> </u>     | ـــــــــــــــــــــــــــــــــــ | Ш               |                    | !        | _:::::  |  | 1100     |  |          |         |                                    | i_       |                  |          | ·            |            |  |  |         |         | ــــــــــــــــــــــــــــــــــــــ           |                 |          | _         |